



3

DOCKET NO. 0050.2042-001

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Declaration for Patent Application

[] Supplemental (37 C.F.R. §1.67)

As a named inventor, I hereby declare that:

My residence, mailing address and citizenship are as stated next to my name;

I believe I am the original, first and sole inventor (if only one name is listed) or an original, first and joint inventor (if plural names are listed in the signatory page(s) commencing at page 2 hereof) of the subject matter which is claimed and for which a patent is sought on the invention entitled

Shape-Intrinsic Watermarks for 3-D Solids

the specification of which (check one)

[] is attached hereto.

[X] was filed on January 9, 2002 as United States Application

Number or PCT International Application No. 10/042,636

and was amended on (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. §1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119 or 365 of any foreign application(s) for patent or inventor's certificate, or of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed:

<u>Prior Foreign Application(s)</u>			Priority Not Claimed	Certified Copy Filed?	
				YES	NO
(Number)	(Country)	(Day/Month/Year filed)	[]	[]	[]
(Number)	(Country)	(Day/Month/Year filed)	[]	[]	[]
(Number)	(Country)	(Day/Month/Year filed)	[]	[]	[]

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole

or first inventor Takashi Maekawa

Inventor's Signature Takashi Maekawa Date 2/1/2002

Residence 11 Lind Road

West Newton, Massachusetts 02465

Citizenship ^{T.M.} 2/1/2002 U.S. Japanese

Mailing Address Same

Full name of second joint

inventor, if any Nicholas M. Patrikalakis

Inventor's Signature Nicholas M. Patrikalakis Date 2/1/02

Residence 27 Stewart Terrace

Belmont, Massachusetts 02478

Citizenship U.S.

Mailing Address Same

Full name of third joint

inventor, if any Franz-Erich Wolter

Inventor's Signature Franz-Erich Wolter Date 19 Februar 02

Residence Ostpreussendamm 29A witness: Rayla Kayle witness: Niklas Reimer

Ostpreussendamm 29A 12207 Berlin, Germany Roonstr. 27 Gustav-Adolf-Str. 27

Citizenship German 30161 Hannover 30167 Hannover, Germany

Mailing Address Same

Full name of fourth joint

inventor, if any Hiroshi Masuda

Inventor's Signature Hiroshi Masuda Date 2/26/02

Residence 40-30-28-202 Nichitsutsujigaoka, CHOFU-SHI

Tokyo, Japan

Citizenship Japanese

Mailing Address Same

STATEMENT CLAIMING SMALL ENTITY STATUS
(37 CFR 1.27(a))-NONPROFIT ORGANIZATION

DOCKET NUMBER: 0050.2042-001

Applicant or Patentee: Takashi Mackawa, Nicholas M. Patrikalakis, Franz-Erich Wolter and Hiroshi Masuda

Application or Patent No.: 10/012,636

Filed or Issued: January 9, 2002

Title: Shape-Intrinsic Watermarks for 3-D Solids

I hereby state that I am an official empowered to act on behalf of the nonprofit organization identified below:

NAME OF NONPROFIT ORGANIZATION: Massachusetts Institute of Technology

ADDRESS OF NONPROFIT ORGANIZATION: 77 Massachusetts Avenue
Cambridge, MA 02139

TYPE OF NONPROFIT ORGANIZATION:

- ☒ UNIVERSITY OR OTHER INSTITUTION OF HIGHER EDUCATION
☐ TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE (26 U.S.C. 501(a) and 501(c)(3))
☐ NONPROFIT SCIENTIFIC OR EDUCATIONAL UNDER STATUTE OF STATE OF THE UNITED STATES OF AMERICA
(NAME OF STATE _____)
(CITATION OF STATUTE _____)
☐ WOULD QUALIFY AS TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE (26 U.S.C. 501(a) and 501(c)(3)) IF
LOCATED IN THE UNITED STATES OF AMERICA
☐ WOULD QUALIFY AS NONPROFIT SCIENTIFIC OR EDUCATIONAL UNDER STATUTE OF STATE OF THE UNITED
STATES OF AMERICA IF LOCATED IN THE UNITED STATES OF AMERICA
(NAME OF STATE _____)
(CITATION OF STATUTE _____)

I hereby state that the nonprofit organization identified above qualifies as a nonprofit organization as defined in 37 CFR 1.27(a)(3) for purposes of paying reduced fees to the United States Patent and Trademark Office regarding the invention described in:

- ☐ the specification filed herewith with title as listed above.
☒ the application identified above.
☐ the patent identified above.

I hereby state that the rights under contract or law have been conveyed to and remain with the nonprofit organization regarding the above identified invention. If the rights held by the nonprofit organization are not exclusive, each individual, concern, or organization having rights in the invention must file separate statements as to their status as small entities. No rights to the invention are held by any person who would not qualify as a person under 37 CFR 1.27(a)(1) or by any concern which would not qualify as a small business concern under 37 CFR 1.27(a)(2) or a nonprofit organization under 37 CFR 1.27(a)(3).

Each person, concern, or organization having any rights in the invention is listed below:

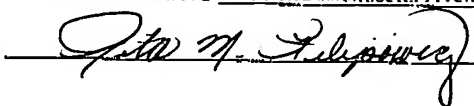
- ☒ no such person, concern, or organization exists.
☐ each such person, concern, or organization is listed below.

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.27(g)(2))

NAME OF PERSON SIGNING: Rita M. Filipowicz

TITLE IN ORGANIZATION OF PERSON SIGNING: Patent Administrator

ADDRESS OF PERSON SIGNING: 77 Massachusetts Avenue, Cambridge, MA 02139

SIGNATURE:  DATE: 3/22/02

Joint

ASSIGNMENT

WHEREAS, we, **Takashi Maekawa, Nicholas M. Patrikalakis, Franz-Erich Wolter and Hiroshi Masuda**, have invented a certain improvement in **Shape-Intrinsic Watermarks For 3-D Solids** described in an application for Letters Patent of the United States, the specification of which:

☐ is being executed on even date herewith and is about to be filed in the United States Patent Office;

☒ was filed on **January 9, 2002** as Application No. **10/042,636**;

☐ was patented under U.S. Patent No. ☐ on ☐.

WHEREAS, **Massachusetts Institute of Technology** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **Commonwealth of Massachusetts**, and having a usual place of business at **77 Massachusetts Avenue, Cambridge, Massachusetts 02139** desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving

of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

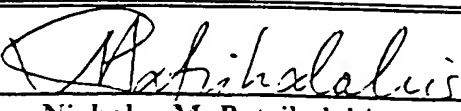
IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor Takashi Maekawa Date 2/1/2002
Takashi Maekawa

Address 11 Lind Road
West Newton, Massachusetts 02465

Witness K. Evangelinos C. EVANGELINOS 2/1/2002
Address 255 Independence Dr.
Chestnut Hill, MA 02467

Witness Rafael de Zengota Katherine de Zengota 2/1/02
Address 14 Holton St #3
Medford, MA 02155

Inventor  Date 2/1/02
Nicholas M. Patrikalakis

Address 27 Stewart Terrace
Belmont, Massachusetts 02478

Witness K. Evangelinos C. EVANGELINOS 2/1/2002

Address 255 Independence Dr.
Chestnut Hill, MA 02467

Witness Katharina de Zutter Katharina de Zutter 2/1/02

Address 14 Holton St. #3
Medford, MA 02155

Inventor Franz-Erich Wolter Date February 19, 2002
Franz-Erich Wolter

Address Ostpreussendamm 29A Ostpreussendamm 29A
12207 Berlin, Germany

Witness  February 19, 2002

Address Roonstr. 27
30161 Hannover GERMANY

Witness Niklas Pinner Feb. 19 2002

Address Gustav-Adolf-Str. 27
30167 Hannover

Inventor Hiroshi Masuda Date 2/26/02
Hiroshi Masuda

Address 40-30-28-202 Nichitsutsujigaoka. CHOFU-SHI
Tokyo. Japan

Witness Hiroaki Yamaguchi Date 2/26/02
Address Hongo 6-26-1-604, Bunkyo-ku, Tokyo 113,
Japan

Witness Kunihiko Shikata 2/26/02
Address 1-41-16 Kitazawa, Setagaya-ku TOKYO.
155-0042 JAPAN.